

INDUSTRIAL OXYGEN

PROPERTIES

PHYSICAL & CHEMICAL



**OPEN
24/7**



Molar mass: 31.9988 g/mol
 Melting point: -219°C
 Boiling point: -183°C
 Density of the gas phase (1.013 bar and 15°C): 1.354 kg/ma
 Density of the liquid phase (1.013 bar at boiling point): 1.1415 kg/l
 Gas density (1.013 bar at boiling point): 4.475 kg/m
 Latent heat of fusion (1.013 bar at triple point): 13.9 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 212.98kJ/kg
 Critical temperature: -118.6°C
 Critical pressure: 50.43 bar
 Compressibility factor (Z) (1.013 bar and 15°C): 0.994
 Concentration in air: 20.94% vol.

APPLICATIONS:

- Fish farming: oxygenation of water to increase production capacity in complete safety.
- Oil and derivatives: Oxygen is used in refineries to enrich the regeneration air of catalytic cracking units.
- Used in combination with a fuel gas for oxy-fuel welding and cutting, e.g. acetylene (oxy-acetylene torch), propane, etc...
- Cryogenic oxidant for rocket engines
- Biological water purification.

TECHNICAL INFORMATION

Purity :	Impurities :		
O2	CO	CO2	H2O
≥ 99.50%	≤ 5 ppm	≤ 300 ppm	≤ 67 ppm

Conditioning :

GOX	LOX
B10 / B50	Cryogenic Mobil Tank

